

PAT-NO: JP356138168A  
DOCUMENT-IDENTIFIER: JP 56138168 A  
TITLE: MOVEL ACTIVE VITAMIN D3 DERIVATIVE COMPOSITION  
PUBN-DATE: October 28, 1981

INVENTOR-INFORMATION:

NAME	COUNTRY
MAKINO, YUJI	
SUZUKI, YOSHIKI	
YAMASHITA, GENTARO	

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TEIJIN LTD	N/A

APPL-NO: JP55040370  
APPL-DATE: March 31, 1980

INT-CL (IPC): C07 C 172/00 , A61 K 031/59

ABSTRACT:

PURPOSE: The titled composition, containing an active vitamin D3 derivative, a bile acid and an antioxidant, and having improved chemical stability of the active vitamin D3 derivative.

CONSTITUTION: A composition containing at least one of active vitamin D3 derivative of hydroxycholecalciferol expressed by the formula (R1, R2 and R3 are H or OH; however, at least one of R1, R2 and R3 is OH), a bile acid, e.g. deoxycholic acid, cholic acid or apocholic acid, and an antioxidant, e.g. butylhydroxytoluene, propyl gallate or lecithin. The amount of the bile acid is in the range of 10 $\square$ 100,000 times that of the compound of the formula, and that of the antioxidant is in the range of 10 $\square$ 10,000 times that of the compound of the formula. The compound of the formula is useful for rachitis and osteomalacia caused by the vitamin D3 metabolism. The addition of

the bile acid and the antioxidant renders the pharmaceutical stable to light and heat and storable for a long time.

COPYRIGHT: (C)1981,JPO&Japio